#32 1644



1600

## ENTERED

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/424,705B

DATE: 12/31/2002 TIME: 14:07:02

Input Set : A:\EP.txt

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	gct ggc tto	r cta ct	a cta	aca a		cca	acc	at a	aca	cad	ata	cad	102
	Ala Gly Le												100
	10		15				20					25	
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	Met Ser Cys	_	a Ser	Gly T	-	Phe	Thr	Arg	Tyr		Met	His	
48		45			50					55			246
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	aat cct ago		ıt tat			aat	cad	aad		aad	gac	aad	294
	Asn Pro Ser												
56	75	5	J - J	80	1-			85		-1-		-, -	
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	Ala Thr Lei												
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63	Ser Ser Lei	Thr Se	r Glu	Asp S	er Ala	Val	Tyr	Tyr	Cys	Ala	Arg	Tyr	

RAW SEQUENCE LISTING DATE: 12/31/2002 PATENT APPLICATION: US/09/424,705B TIME: 14:07:02

Input Set : A:\EP.txt

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		_			_					_		_	-		_	ttt.	400
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72	+	~	140	~~~	~+ ~	~~+	a+ a	145			~~~	+ -+	150	~~~	a+ a	a+~	E 2 /
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84				_ 4_ 4_	190					195					200		670
	aaa	-				_				-	_			_		-	678
	Lys	Arg	Trp		Tyr	Asp	Tnr	Ser	_	Leu	Ата	ser	етй		Pro	Ala	
88				205					210			1 1.	- 4	215			706
	cac																726
	His	Pne	_	GIÀ	ser	GIA	ser	_	Thr	ser	Tyr	ser		THE	тте	ser	-
92			220	~~+	~~~	~~+	~~+	225	a a t	+-+	+	+ ~ ~	230	~~~	+~~	- <del>-</del>	771
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	Gly		GIU	Ата	GIU	Asp		Ата	Inr	Tyr	Tyr		GIII	GIII	тгр	Ser	
96		235					240					245	~~~	-+-			022
	agt																822
	Ser		PIO	Pne	Inr	Pne	СТУ	ser	GIY	Inr	ьуѕ	ьeu	GIU	тте	ASII	AFO	
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100			- 201			255		· + cc			260		· ata			265	870
	gct	gat				a act	gga				aac	g cto		c tca	a gaa	265 gaa	870
103	gct Ala	gat			a Pro	a act	gga			Glr	aaq Lys	g cto		c tca	a gaa c Glu	265 a gaa a Glu	870
103 104	? gct B Ala	gat Asp	Thr	Ala	270	a act o Thi	gga Gly	ser Ser	Glu	Glr 275	aaq Lys	g cto Lei	ı Ile	c tca	a gaa	265 a gaa a Glu	
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130				100		-			105					110		L	
131 132	Ser	Ala	Val 115	Tyr	Tyr	Cys	Ala	Arg 120	Tyr	Tyr	Asp	Asp	His 125	Tyr	Ser	Leu	
	Asp	Tyr		Gly	Gln	Gly	Thr		Leu	Thr	Val	Ser		Ala	Lys	Thr	
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	145					150					155					160	
137 138	Val	Leu	Thr	Gln	Ser 165	Pro	Ala	Ile	Met	Ser 170	Ala	Ser	Pro	Gly	Glu 175	Lys	
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	Tyr	Gln	Gln		Ser	Glv	Thr	Ser		T.vs	Ara	Trn	Tle		Asn	Thr	
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143	Ser	Lys	Leu	Ala	Ser	Gly	Val	Pro	Ala	His	Phe	Arq	Gly	Ser	Gly	Ser	
144		210				-	215					220	-		-		
145	Gly	Thr	Ser	Tvr	Ser	Leu	Thr	Ile	Ser	Glv	Met	Glu	Ala	Glu	Asp	Ala	
	225			-		230				_	235				-	240	
	Ala	Thr	Tur	Tur	Cvs		Gln	Trn	Ser	Ser		Pro	Phe	Thr	Phe		
148	1114	1111	- y -	- y -	245	01	01	111	DCI	250	11011	110	1 110		255	O <sub>T</sub> y	
	Ser	Glv	Thr	T.vs		Glu	Tle	Δsn	Δra		Asn	Thr	Δla	Pro		Glv	
150	001	O <sub>T</sub> y	1111	260	ДСС	014	110	11011	265	71± G	1100	1111	211.0	270	****	Or y	
	Ser	Glu	Gln		Leu	Tle	Ser	Glu		Asp	Leu	Asn	Ser		His	His	
152			275					280	0			``	285				
	His	His						200					200				
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	<22				CDS												
	<222					1	(897)										
	<400					• • •	(03.,										
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167	guai	cca	-ca e	ragaç	gaga	14 41	. caac									la Ala	34
168										75 1	AT TIC			.0 11	II A	La Ala	
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	gct																102
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176					30					35					40		
	atg																198
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											Gln						
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191	Asp	Lys	Ala	Thr	Leu	Thr	Thr	Asp	Lys	Ser	Ser	Ser	Thr	Ala	Tyr	Met	-
192	90					95					100					105	
194	caa	ctg	agc	agc	ctg	aca	tct	gag	gac	tct	gca	gtc	tat	tac	tgt	gca	390
195	Gln	Leu	Ser	Ser	Leu	Thr	Ser	Glu	Asp	Ser	Ala	Val	Tyr	Tyr	Cys	Ala	
196					110					115					120		
										-	tac						438
	Arg	Tyr	Tyr		Asp	His	Tyr	Ser		Asp	Tyr	Trp	Gly	Gln	Gly	Thr	
200				125					130					135			
											CCC						486
	Thr	Leu		Val	Ser	Ser	Ala		Thr	Thr	Pro	Lys		Gly	Gly	Asp	
204			140					145					150				
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	Ile		Leu	Thr	Gln	Thr		Ala	Ser	Leu	Ala		Ser	Leu	Gly	Gln	
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		·Ala	rnr	тте	Ser		гÀг	Ата	Ser	GIN	Ser	vaı	Asp	Tyr	Asp	_	
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224			220		-		-	225	_				230				
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227	Val	Glu	Lys	Val	Asp	Ala	Ala	Thr	Tyr	His	Cys	Gln	Gln	Ser	Thr	Glu	
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236					270					275					280		
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239	Leu	Asn	Ser		Hls	HIS	HIS	HIS									
	Z210	) ~ CE	יה דר	285	. 1				290								
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253 Leu Ala Arg Pro Gly Ala Ser Val Lys Met Ser Cys Lys Ala Ser Gly
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257 Gln Gly Leu Glu Trp Ile Gly Tyr Ile Asn Pro Ser Arg Gly Tyr Thr
258 65
259 Asn Tyr Asn Gln Lys Phe Lys Asp Lys Asp Lys Ala Thr Leu Thr Thr
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263 Glu Asp Ser Ala Val Tyr Tyr Cys Ala Arg Tyr Tyr Asp Asp His Tyr
264 115
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267 Lys Thr Thr Pro Lys Leu Gly Gly Asp Ile Leu Leu Thr Gln Thr Pro
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                                  185
273 Gln Gln Ile Pro Gly Gln Pro Pro Lys Leu Leu Ile Tyr Asp Ala Ser
275 Asn Leu Val Ser Gly Ile Pro Pro Arg Phe Ser Gly Ser Gly Ser Gly
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                                     250
                   245
281 Gly Thr Lys Leu Glu Ile Lys Arg Ala Asp Ala Ala Ala Gly Ser
                                 265 ·
283 Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Asn Ser His His His His
284
           275
                 280
285 His His
       290
288 <210> SEQ ID NO: 5
289 <211> LENGTH: 900
290 <212> TYPE: DNA
291 <213> ORGANISM: Homo sapiens
293 <220> FEATURE:
294 <221> NAME/KEY: CDS
295 <222> LOCATION: (28)...(891)
297 <400> SEQUENCE: 5
298 agatetatta aagaggagaa attaace atg aaa tae eta ttg eet aeg gea gee
299
                                Met Lys Tyr Leu Leu Pro Thr Ala Ala
300
```

VERIFICATION SUMMARY

DATE: 12/31/2002

PATENT APPLICATION: US/09/424,705B

TIME: 14:07:03

Input Set : A:\EP.txt